



November 11, 2013

PASCAL ENGINEERING LLC
JAMES PASCHAL
7345 MERRITT RD
YPSILANTI MI 48197

AQUATHERM, GmbH
ULRICH HOFFER
BIGGEN 5 D-57439
ATTENDORN
GERMANY

Re: Description: PIPES AND FITTINGS, POLYPROPYLENE
Manufacturer: AQUATHERM, GmbH
Product Name: POLYPROPYLENE PIPE AND FITTINGS
Model Number(s): AQUATHERM GREENPIPE, FUSIOTHERM, FASER SDR 7.4 & 6
COLD WATER USE ONLY SDR 11
Product File No: 20130305

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters SPS 382 through 384, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an alternate approval to s. SPS 384.30 (4) (d) & 384.30 (4) (e) based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of November 2018.

This approval supersedes the approval issued on August 13, 2009 under product file number 20080337.

This alternate approval is required because presently the Wis. Adm. Code does not acknowledge polypropylene pipe as an acceptable water service, private water main or water distribution piping material.

This alternate approval is contingent upon compliance with the following stipulation(s):

- Approved training by Manufacturer must be completed before Plumbing Contractor can install this material
- This product is approved for Water Distribution
 - a. Above ground
 - b. Below ground
- This product is approved for water service.
 - a. Below ground
- Maximum allowable load tables are found in attachment A.
- This product shall be installed in accordance to manufacture's published instructions.
- **SDR 11 IS FOR COLD WATER USE ONLY**
- Additional information is included as attachment to this letter; see attachment A.

Aquatherm GmbH
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The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Glen W. Schlueter
Environmental Engineer - Plumbing Product Reviewer
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Division of Industry Services
Bureau of Technical Services
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